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TI - TONER CARTRIDGE AND REFILLING METHOD

AB - PURPOSE: To eliminate the problem of staining or the like, to promote the saving of resources by increasing the using frequency of an identical toner cartridge, to protect the environment and to reduce the running cost by providing a toner container part with a screw-structure hole part communicated with the inside thereof.

- CONSTITUTION: The toner cartridge 1 is constituted so that the toner container part thereof is provided with the hole part 2 communicating with the inside of the toner container part without disassembling the cartridge 1 and screw structure is used for the hole part 2. The screw structure is divided into a male screw part and a female screw part. Then, the female screw part is embedded in the hole part 2 of the toner container part and the hole part 2 is hermetically sealed by the male screw part. The refilling method of toner for replenishing is constituted so that the opening part of a container 4 in which the toner for replenishing is housed is connected and engaged with the hole part of the toner container part of the cartridge 1 by a hose 3 and the toner container part of the cartridge 1 is refilled with the toner for replenishing in a perfectly isolated state from the outside when the toner for replenishing is injected. Therefore, the refilling work is executed without requiring a special jig or a special skill.

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TI - Toner refillable cartridge for electrophotographic appts - has hole of screw structure provided inside cartridge for insertion of container to enable refill

AB - J07333964 The toner cartridge (1) has a toner container (4) which is a light sensitive body drum. A hole of a screw structure is provided inside the toner container. The toner is injected into toner containing part for replenishment through a hose (3) for refill.  
- ADVANTAGE - Simplifies toner refilling process. Decreases running cost. Saves resources. Prevents stain by dispersion of toner on peripheral.  
- (Dwg.1/6)

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